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(Too telegraphic
make more personal)

First Smithsonian-Bredin Caribbean Expedition

March - April 1956

86-foot auxiliary schooner Freelance

Captain Desmond V. Nicholson

Personnel

J. Bruce Bredin, Wilmington, Delaware

Fenner A. Chace, Jr., Smithsonian Institution

J. F. Gates Clarke, Smithsonian Institution

Ernest N. May, Wilmington, Delaware

Waldo L. Schmitt, Smithsonian Institution

Albert C. Smith, Smithsonian Institution

Trinidad

Sta. 1-56. March 9; 8:00-10:00 A. M. Maracas Bay.

Picked off rocks
in shallow water
came off W.
Nicholson's shrimp
and 2 fish

From Rocks at ^{west} end of beach. Low tide.

Schmitt & Chace. surf was bothersome

Sta. 2-56. March 9; 8:00 - 10:00 A. M. Maracas Bay

River. Native fisherman. collected ^{water} Fresh water stream

Station 3-56. March 12, Trinidad Yacht Club. From

anchor chain. Schmitt.

here from
see st 1

Grenada

Sta. 4-56. March 14. Point Saline. Rocks at ~~NE~~ ^{from} northeast

10-12^{xx}

of first beach on lee coast. Schmitt & Chace.

Sta. 5-56. March 14. Point Saline. First beach on lee

coast. Schmitt & Chace.

cisternum
2 P.M.
coll. on rocky
reef ber ship
& yacht club.
goes with Sta. 6 later

Sta. 6-56. March 14. Point Saline. Rocks at ~~SE~~^{southwest} end of first beach on lee coast. Schmitt & Chace.

Sta. 7-56. March 14. Grand Anse Beach, outside ~~the~~ Saint Georges Harbour. Chace.

Sta. 8-56. March 14. Grand Anse Bay outside ~~the~~ Saint Georges Harbour. From partially exposed conglomerate rock and coral ledge along shore. Schmitt & Chace.

trans
Sta. 9-56. March 14. Grand Anse Bay outside ~~the~~ Saint Georges Harbour. Sublittoral. D. V. Nicholson.
"off shore"
was it not diving?

Sta. 10-56. March 14. Grand Anse Bay outside ~~the~~ Saint Georges Harbour. Dredged in ~~2 fathoms~~^{four meters}. Schmitt & Nicholson.

Sta. 11-56. March 14, Outside Saint Georges Harbour. Gift of R. Cowan. *Tern III*

What was this? Sta. 12-56. March 14. Saint Georges market. Parasites purchased in market from red snappers. D. V. Nicholson.

Carriacou Island. (see also Sta. 19-56)

Sta. 13-56. March 15; 7:00-9:00 P. M. Tyrrell Bay. Light over side ~~at night~~. Schmitt & Nicholson.

Sta. 14-56. March 15; 9:00 P. M. Tyrrell Bay. Light over side of Tern III anchored about 50 yards from Freelance. D. V. Nicholson. (Large red sea-hares abundant here but not at Freelance.)

Sta. 15-56. March 16; 8:00-10:00 A. M. Tyrrell Bay. Submerged timbers from wreck near mangrove swamp.
Schmitt & Nicholson.

Sta. 16-56. March 16; 10:00-11:30 A. M. Tyrrell Bay.
*Inside reef
but mostly outside* Outer edge of exposed reef near anchorage (chiefly dead Pocillopora). Schmitt.

Sta. 17-56. March 16; 10:00-11:30 A. M. Sand flats inside reef. D. V. Nicholson.

Union Island (see also Sta. 20-56)

Sta. 18-56. March 16; 5:30 P. M. Off Rapid Point, Chatham Bay. *Caught by
Wharf* Bredin. *Hellish
Strong winds* *drauged by
anchors out*

Carriacou Island (see also Sta. 13-56 to 17-56)

Sta. 19-56. March 16; 8:00-10:00 A. M. Tyrrell Bay. Mangroves on ^{north} side of Bay. D. V. Nicholson.

Union Island (see also Sta. 18-56)

Sta. 20-56. March 17; 7:00 A. M. Chatham Bay. Bottom sample from ~~3 fathoms~~ ^{five meters}. West (lee). Schmitt.

Tobago Cays

Sta. 21-56. March 17; 11:00 A. M. - 1:00 P. M. ^{West} ~~E~~ (lee) side of Baradal. Under stones and in coral rock at low tide. Schmitt & Chace.

Sta. 22-56. March 17; 11:00 A. M. - 1:00 P. M. ^{West} ~~E~~ (lee) ^{one meter} side of Baradal. In coral rock from ~~3~~ feet. D. V. Nicholson.

Sta. 23-56. March 17; 11:00 A. M. - 1:00 P. M. ~~E~~^{West} (lee)
 side of Baradal. In sponges from ~~3~~ feet.
From

D. V. Nicholson.

Sta. 24-56. March 17; 1:00 P. M. ~~E~~^{West} (lee) side of Baradal.
 one meter.
 In loggerhead sponge from ~~3~~ feet. D. V.

Nicholson.

Sta. 25-56. March 17; 11:00 A. M. - 1:00 P. M. ~~E~~^{West} (lee)
 side of Baradal. In sand among coral rocks
 one meter.
 in ~~3~~ feet.

Sta. 26-56. March 18. Off reef at ~~E~~. end of Petit Rameau.

*2 spring lobsters
Squid, Coney & Squirtel* From lobster trap set overnight. *by* Crew.

Sta. 27-56. March 18; 7:15 A. M. Anchorage ~~E~~^{southwest} of Petit
 Rameau. Bottom sample from ~~3~~ fathoms. Schmitt.

*Bostonians live in
beans, long Islands
on the sound.*

Mustique

Sta. 28-56. March 18; 3:30 P. M. Near middle of narrow
 part of island. Fiddler crabs numerous in
 damp sand paths between garden plots. Chace.

Sta. 29-56. March 18; 4:00 P. M. Freshwater pond back of
 beach below owner's house *of owner of Mustique.*
~~house of owner of island~~ D. V. Nicholson.

Sta. 30-56. March 19. Off reef near anchorage, lee side
 of island. From fish trap. *set by* Crew. off...

Sta. 31-56. March 19; 8:00 A. M. Anchorage, lee side of
 island. Bottom sample from ~~3~~ fathoms. Schmitt.

Sta. 32-56. March 19; 9:30 A. M. Beach near anchorage, lee
 side of island. Seine haul. Schmitt, Chace,
 & Nicholson.

Sta. 33-56. March 19; 8:30 A. M. Near anchorage, lee side of island. Dredge hauls. Schmitt, Nicholson, & crew.

Sta. 34-56. March 19; 8:30-10:30 A. M. Off coral reef along shore near anchorage, lee side of island. (Sublittoral). D. V. Nicholson.

Sta. 35-56. March 19; 10:30 A. M. Reef along shore near anchorage, lee side of island. From loggerhead sponge. E. Maingot.

*Sponges not
reef (reed is
merely 10 cm.
more) & sponge was (is) better
now back to*

Saint Lucia Island

{ Arr. Bogui at 3:30 p.m.
Left at 6 p.m.

Sta. 36-56. March 20; 11:30 A. M. Soufrière Bay. Bottom sample from ~~12 fathoms~~ 22 meters. Schmitt.

Sta. 37-56. March 21; 7:00 A. M. Port Castries ^{northwest} of harbormaster's office. Bottom sample from ~~seven meters~~ ~~4 fathoms~~. Schmitt.

Sta. 38-56. March 21; 11:30 A. M. Marigot Harbour outside lagoon. Seine hauls along shore. Schmitt, Chace, Nicholson, & crew.

Sta. 39-56. March 21; 12:00 M. Marigot Harbour inside lagoon. Seine haul along shore. Chace & crew.

Sta. 40-56. March 21; 12:30 P. M. Near Marigot Harbour. Under stones and debris on land. Schmitt.

Sta. 41-56. March 21; 1:00 P. M. Head of Marigot Harbour outside lagoon. Collected by diving in ~~6 feet~~ ^{two meters}. D. V. Nicholson. (Snapping shrimps associated with sea anemones.)

*Put shrimps
ahead of*

From

Sta. 42-56. March 21; 2:30 P. M. Marigot Harbour at entrance
~~three meters.~~
 to lagoon. Bottom sample from ~~1½ fathoms.~~

Schmitt.

Sta. 43-56. March 21; 6:30 P. M. Pigeon Island. Buried
 in sand in surf. D. V. Nicholson.

Sta. 44-56. March 22; 7:00 A. M. Pigeon Island. Megalops
 occurring in "pink" windrows along beach. Chace.

X Sta. 45-56. March 22; 7:00 A. M. Between Pigeon Island and
 main Island. ~~Fish~~ ⁸ fathoms Seined by natives. Purchased from

Sta. 46-56. March 22. Pigeon Island. Purchased from
 same natives.

Sta. 47-56. March 22; 9:00-11:00 A. M. Reef off Pigeon
 Island. Collected by diving in ~~4-10~~ feet. ^{one-half to three meters.}

D. V. Nicholson.

Sta. 48-56. March 22. Pigeon Island. Fish trap in ~~4~~ seven
~~meters.~~
 fathoms. D. V. Nicholson.

11.30 a.m.
 Under way S.W.
 Fort de France

Martinique

Why not harbor?

Sta. 49-56. March 24; 8:00 A. M. Baie de Fort-de-France.

Bottom sample from ~~4~~ fathoms off the savannah. ^{seven meters}

Schmitt.

Sta. 50-56. March 24; 7:00-9:30 P. M. Baie de Fort-de-France.

Light over side. D. V. Nicholson.

rocks off for
 fort dominica
 m. 25-75 6:30-7 a.m.

Dominica

south

X Sta. 51-56. March 25; 2:00 P. M. Off ~~E.~~ end of island. ^{south}
 From intestine of wahoo. Caught by crew.

502

near Roseau

Sta. 52-56. March 25; 5:30-6:00 P. M. Woodbridge Bay.

Dredged in ~~2 fathoms~~ ^{four meters}. D. V. Nicholson.

Sta. 53-56. March 25; 7:00-9:00 P. M. Woodbridge Bay.

Light over side. Schmitt & Nicholson.

Sta. 54-56. March 26; 8:00 A. M. Woodbridge Bay. Bottom

^{nine meters} sample from ~~5 fathoms~~. Schmitt.

Sta. 55-56. March 26; 3:00-4:00 P. M. N. end of Woodbridge

Bay. From coral encrusted boulders. D. V.

Nicholson.

Sta. 56-56. March 26; 5:00-5:30 P. M. Woodbridge Bay.

Collected by diving in ~~6 feet~~ ^{two meters} near dock.

D. V. Nicholson.

Sta. 57-56. March 26. Fresh Water Lake. From bromeliads. ^{at} Clarke.

Sta. 58-56. March 27; 5:00 P. M. Woodbridge Bay. Col-

lected by diving in ~~2 fathoms~~ ^{four meters}. D. V. Nicholson.

Sta. 59-56. March 28; 9:25 A. M. Off Layou River. Bottom

^{11 meters} sample from ~~6 fathoms~~.

Sta. 60-56. March 28; 12:00-12:30 P. M. Prince Rupert Bay.

Dredged in ~~15-22 fathoms~~ ^{27-40 meters}.

Sta. 61-56. March 28; 2:30-3:00 P. M. Prince Rupert Bay.

Dredged in ~~6-15 fathoms~~ ^{11-27 meters}.

Sta. 62-56. March 28; 4:00-5:00 P. M. North end of Prince

Rupert Bay. From coral encrusted rocks in ^{one and one-half meters}.

~~5 feet~~. D. V. Nicholson.

~~Schmitt
1961
Want no collectors~~

M. Hart

From Hill

Sta. 63-56. March 28. West Cabrit, Prince Rupert Bay.

Clarke.

Sta. 64-56. March 28; 8:45-9:30 P. M. Prince Rupert Bay.

Light over side at anchorage in ~~4 fathoms~~ ^{seven meters}.

D. V. Nicholson.

Sta. 65-56. March 29; 6:40 A. M. Prince Rupert Bay.

Bottom sample from ~~4 fathoms~~ ^{seven meters}. Schmitt.

Guadeloupe

Sta. 66-56. March 29; 3:30 P. M. Off Pointe de La Verdure,

southeast of Pointe-à-Pitre. Dredged in ~~10~~ ¹⁸ meters.
fathoms.

Sta. 67-56. March 29; 7:00-9:00 P. M. Pointe-à-Pitre.

Light over side at anchorage in ~~3 fathoms~~ ^{five and one-half meters}.

D. V. Nicholson.

Sta. 668-56. March 30-31; 9:30 A. M. - 1:00 P. M. Pointe-

à-Pitre. Sandy mud flats between Îlet à Monroux and Îlet Rat. Chace & Nicholson,

Sta. 69-56. March 30-31; 9:30 A. M. - 1:00 P. M. Îlet Rat, off Pointe-à-Pitre. From exposed reef and submerged weedy rocks. Schmitt.

Sta. 70-56. March 31; 12:30-2:00 P. M. Pointe-à-Pitre.

Dead coral flat east of Îlet à Cochons.

Chace, Nicholson, and crew.

Island

Antigua (see also Sta. 93-56 to 95-56)

Sta. 71-56. April 1; 12:00 M. "South Bank," ~~15 mi.~~ ^{28 Kilometers}

southeast of English Harbour. *Caranx lugubris* taken on hook and line in ~~40 fathoms~~ ^{73 meters} on

*From
also a bottom
sample
from
anchorage?*

*Coll. reef.
2nd time 10-20 m.*

Sta. 72-56. April 2, 4, 8; 10:00 A. M. English Harbour.

Along dockyard sea wall. D. V. Nicholson.

Sta. 73-56. April 2; 1:00-6:00 P. M. Charlotte Point

at Nutt's put in ref. Tawa
reef & shallow water coll.
all afternoon.

(= Nutting's "Rocky Point"), English Harbour.

Schmitt, Chace, Nicholson, & crew.

Sta. 74-56. April 3; 2:30-3:30 P. M. Tank Bay, English
Harbour. Seine hauls on mud bottom; under
rocks and oyster bar; along beach. Schmitt,
Chace, Nicholson, & crew.

[also collections from under brackish add. tides]
Sta. 75-56. April 3; 3:30-5:00 P. M. Freeman's Bay, English
Harbour. From seine hauls and diving in
shallow water. Schmitt, Chace, Nicholson,
& crew.

Sta. 76-56. April 4; 8:00 A. M. English Harbour. Medusae
(few with hyperiid amphipods, most without)
numerous along dockyard sea wall. Chace &
Nicholson.

Sta. 77-56. April 4; 12:30 P. M. English Harbour, From
ship fender along dockyard sea wall.

Sta. 778-56. April 4; 3:00 P. M. English Harbour. Dredged
five and one-half meters.
in 3 fathoms.

Sta. 79-56. April 4; 3:30 P. M. Outside English Harbour.
seven meters.
Dredged in 4 fathoms.

Sta. 80-56. April 4; 4:00 P. M. English Harbour. From
wreck of iron ship Ordnance Bay.

Sta. 81-56. April 4; 3:45 P. M. Commissioner's Bay,
English Harbour. From fragment of wooden
piling.

Sta. 82-56. April 4; 4:30-5:15 P. M. English Harbour.
From bottom of yacht Native Dancer anchored
in Harbour for several months. D. V. Nichol-
son.

Sta. 83-56. April 4, 8, 9; 8:30-9:30 P. M. English Harbour.
Collected with flashlight along dockyard sea
wall. Chace & Nicholson.

*got lot of
Stenurus.
+ 2 large drumids
+ sponge*

Barbuda

Sta. 84-56. April 5; 7:00-8:30 P. M. Off Oyster Pond Landing,
west side of island. Light over side at
five and one-half meters.
anchorage in ~~3 fathoms~~. D. V. Nicholson.

A.M.
Sta. 85-56. April 6; 9:30-12:00 ^A M. West shore of lagoon
near Oyster Pond Landing. Schmitt, Chace,
Nicholson, & crew.

What?

Sta. 86-56. April 6; 10:00 A. M. Near Oyster Pond. Clarke.

Sta. 87-56. April 6; 3:30 P. M. Near east shore of lagoon.
From Mud and coral flat. D. V. Nicholson.

X

Sta. 88-56. April 6; 4:00 P. M. Lagoon. Taken with lobsters
from native fagot pile.

What

Sta. 89-56. April 6. Near lagoon. Chace & Clarke.

Sta. 90-56. April 6; 8:30-9:30 P. M. Off Oyster Pond
Landing. Light over side at anchorage in
five and one-half meters.
~~3 fathoms~~. D. V. Nicholson.

Sta. 91-56. April 7; 6:30 A. M. Off Oyster Pond Landing.
Bottom sample from ~~3 fathoms~~ at anchorage.

Schmitt.

Sta. 92-56. April 7; 11:30-12:00 ^{A.M.} ~~M.~~ Martello Tower,
south coast of island. Offshore reefs.

Schmitt, Chace, & Nicholson.

^{Island}
Antigua (see also Sta. 71-56 to 83-56)

Sta. 93-56. April 8; 12:15 P. M. ~~Off Great Bird Island.~~
Parasites (?) from flesh, especially above
eye, of Caranx latus caught trolling in ¹⁶ ~~8~~
~~meters.~~
~~fathoms.~~

Sta. 94-56. April 9; 5:00 P. M. English Harbour. From
bottom of yacht Mercy Marsden docked in
Harbour for two or ^{more} ~~three~~ years. D. V. Nicholson.

Sta. 95-56. April 9; 6:00 P. M. English Harbour. E.
Staniland.

Redonda

Sta. 96-56. April 10; 3:00-5:00 P. M. Lee side of island.

~~From~~ Among wave-lashed rocks. Schmitt.

Sta. 97-56. April 10; 3:00-5:00 P. M. Off lee side of
island. Fish caught on bottom in ~~40~~ fathoms.

Nevis (see also Sta. 105-56)

What Fish?
Sta. 98-56. April 11. Charlestown. Bought from fishermen.

Sta. 99-56. April 11; 2:00-3:00 P. M. Charlestown. Collected at surface and by diving to bottom in ^{five meters} ~~16 feet~~ at anchorage. D. V. Nicholson.

Sta. 100-56. April 11; 3:00 P. M. Charlestown. Bottom ^{seven meters} sample from ~~4 fathoms~~ at anchorage. Schmitt.

Fish?
Sta. 101-56. April 11. Charlestown. Bought from native.

Saint Christopher

Sta. 102-56. April 12; 1:30 P. M. Windward beach opposite Frigate Bay. D. V. Nicholson.

Sta. 103-56. April 12; 1:30-3:30 P. M. Windward beach opposite Frigate Bay. Coral reef, ~~just off~~ shore. Schmitt, Chace, & Nicholson.

Sta. 104-56. April 12; 8:00-8:45 P. M. Basseterre. Light over side at anchorage in ^{seven meters} ~~4 fathoms~~. D. V. Nicholson.

Nevis (see also Sta. 98-56 to 101-56)

What
Sta. 105-56. April 11; 11:00 A. M. Nevis Peak. From ^{600 meters} bromeliads at ~~2,000 feet~~. Clarke.

Saba Bank

Sta. 106-56. April 13; 5:30-6:30 P. M. Dredged in ~~7 fathoms~~ at $17^{\circ} 28' N.$, $63^{\circ} 13' W.$

Sta. 107-56. April 13; 7:00-8:30 P. M. Light over side, in ^{13 meters} ~~7 fathoms~~. D. V. Nicholson.

Depth

X
Sta. 108-56. April 13; 9:30-10:45 P. M. Six mi. NW by $\frac{1}{2}$ N from Sta. 106-56. Light over side in ~~30~~ 55 meters. fathoms. D. V. Nicholson.

Dep R

Virgin ~~Islands~~ Gorda

Sta. 109-56. April 14; 6:00 P. M. ~~Gorda Sound~~ Off Vixen Point, Prickly Pear Island. Bottom sample ^{15 meters} from ~~8~~ fathoms at anchorage. Schmitt.

Sta. 110-56. April 14; 8:00-8:30 P. M. ~~Gorda Sound~~ Off Vixen Point, Prickly Pear Island. Light over side at anchorage in ^{15 meters} ~~8~~ fathoms. D. V. Nicholson.

Sta. 111-56. April 15; 7:45 A. M. & 5:30-6:30 P. M. Vixen Point, Prickly Pear Island. Along beach with much Pocillopora. Schmitt, Chace, & Nicholson.

From
Sta. 112-56. April 15; 9:30-11:30 A. m. Colquhoun Reef at entrance to ^{North} ~~Gorda~~ Sound. Schmitt, Chace, & Nicholson.

Sta. 113-56. April 15; 10:30-11:30 A. M. Northeast end of Mosquito Island. Along shore. D. V. Nicholson.

What fish?
Sta. 114-56. April 15; 4:30 P. M. ~~Gorda Sound~~ ^{Off Vixen Point, Prickly Pear Island.} Caught on ^{15 meters.} hook and line at anchorage in ~~8~~ fathoms. Crew.

&&&&&&&

Tortola

Harbor.

Sta. 115-56. April 16-17; 8:00-8:45 P. M. Road ~~Bay~~, ~~Tortola~~.

Light over side at anchorage in ^{11 meters.} ~~6 fathoms.~~

D. V. Nicholson.

Sta. 116-56. April 17; 8:20 A. M. Road ~~Bay~~, ~~Tortola~~.

Bottom sample from ^{nine meters} ~~5 fathoms~~ at anchorage off administrator's house. Schmitt.

Sta. 117-56. April 17; 2:00-4:00 P. M. Reef off Burt Point,

Road ~~Bay~~, ~~Tortola~~. Schmitt, Chace, & Nicholson.

From